

TESTING FORUM

Symposium on Concrete Problems: A 1987 Sequel

ASTM Committee C-9 on Concrete and Concrete Aggregates is sponsoring a symposium on Concrete Problems: A 1987 Sequel. The symposium will be held the evening of 23 June 1987 in Cincinnati, OH. James S. Pierce of Littleton, CO, will be the symposium chairman. The program for the symposium follows.

Tuesday, 23 June

5 P.M.: Welcoming remarks—James S. Pierce.

5:10 P.M.: "Some Factors That Influence Chemical Admixture/Portland Cement Compatibility," by Vance Dodson and Thomas Hayden, W. R. Grace and Co., Cambridge, MA.

5:30 P.M.: "Recent Problems With Air-Entrained Concrete," by Kenneth Hover, Cornell University, Ithaca, NY.

5:50 P.M.: "Corrosion Problems With Lightweight Concrete," by Robert Landgren and Donald Pfeifer, Wiss, Janney and Elstner Associates, Northbrook, IL.

6:10 P.M.: "Sodium Sulfate Soundness Test Evaluation," by William Sheftick, Illinois Department of Transportation, Springfield, IL.

6:30 P.M.: "Testing Aggregates for Long-Term Performance in Concrete," by Val Sturup, Consultant, and R. Douglas Hooton, Ontario Hydro, Toronto, Canada.

6:50 P.M.: "Freeze-Thaw Testing of Coarse Aggregate in Concrete: Procedures Used by Michigan Department of Transportation and Other Agencies," by Ralph Vogler and Gail Grove, Michigan Department of Transportation, Lansing, Michigan.

7:10 P.M.: Program ends.

For further information contact James S. Pierce, (303) 236-5989.

Call for Papers:

Symposium on Corrosion Rates of Steel in Concrete

Papers are requested for a one-and-a-half day symposium on the Corrosion Rates of Steel in Concrete to be held 28–29 June 1988 in Baltimore, sponsored by ASTM Committee G-1 on Corrosion of Metals and its subcommittee G01.14 on Corrosion of Reinforcing Steel and ASTM Committee C-9 on Concrete and Concrete Aggregates and its subcommittees C.09.03.08 on Methods of Testing and Specifications for Admixtures and C.09.03.15 on Methods of Testing the Resistance of Concrete to its Environment. The purpose of this symposium is to document techniques that are used to determine corrosion rates and the condition of reinforcing bars in concrete.

Contributions should describe current work in one or more of the following areas:

1. Nondestructive electrochemical test methods.
 - (a) Laboratory tests.
 - (b) Field methods.
2. Comparisons between electrochemical and other methods.
3. Use of corrosion rate measurements to predict service life.

Emphasis should be placed on methods that have potential application in the development of recommended practices or standard methods. Prospective authors should submit a 300 to 500 word abstract and the ASTM Paper Submittal Form by 1 Sept. 1987 to Theresa Smoot, ASTM, 1916 Race St., Philadelphia, PA 19103, (215) 299-5413. Additional information is available from the symposium co-chairmen: Neal S. Berke, W. R. Grace & Co., 62 Whittemore Ave., Cambridge, MA 02140, 617-876-1400; Victor Chaker, The Port Authority of NY and NJ, 241 Erie Street, Jersey City, NJ 07302, (201) 963-2942; and David Whiting, Construction Technology Laboratories, 5420 Old Orchard Rd., Skokie, IL 60077, 312-965-7500.

A special technical publication (STP) based on this symposium is anticipated by ASTM. ASTM may print and distribute accepted abstracts with the approval of the cochairpersons.

NOTE: Final manuscripts for the anticipated STP based on this symposium are due by 1 May 1988; this deadline will be rigidly enforced. All papers not submitted to ASTM by the deadline will not be accepted for the STP. If a paper is submitted after the deadline, it may be forwarded to the appropriate ASTM journal to be considered for publication. Please contact Theresa Smoot or the symposium cochairpersons if you cannot meet the deadline.

Participation Requested for Roller-Compacted Concrete Activity

"There are no consensus guidelines on testing roller-compacted concrete (RCC)," notes Debbie Lawrence of the USA Corps of Engineers. Lawrence heads up a new ASTM activity on RCC, which is intended to provide test methods and other standards specifically for this alternative to conventional concrete. She says that interested individuals are encouraged to participate and to bring possible RCC methods to the June meeting of Subcommittee C09.03.11 on Roller-Compacted Concrete. The meeting will be held during the June 22–24 meetings of Committee C-9 on Concrete and Concrete Aggregates in Cincinnati, OH.

At the RCC organizational meeting, C-9 chairman John Scanlon emphasized the urgency for accomplishments on RCC. He also expressed hope that sufficient background work will be accomplished by C09.03.11 by the June meeting. Then, in June, task groups should be assigned and work begun in the following identified areas:

- Sample preparation,
- Laboratory mixing,

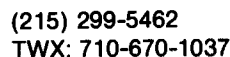
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- Field density determination,
- Consistency determination,
- Joint bond strength,
- Permeability along interface of successively placed layers,
- Nondestructive testing,
- Cement content determination of fresh mixes, and
- Laboratory determination of compressive and flexural strengths and density.

Lawrence comments that RCC is being chosen for more road pavement and dam construction jobs because it can be cheaper than conventional concrete and RCC projects can be completed more quickly. Another advantage is that, for some projects, on-site materials may be used. However, RCC takes longer to develop its strength.

At the C09.03.11 organizational meeting, attendees said that test methods should be developed that would be applicable to both field and laboratory specimens. Attendees pointed out the difficulty of preparing representative RCC specimens in the laboratory. Also at the meeting, it was decided that liaison would be maintained with the American Concrete Institute, which also is interested in RCC, and with Committee D-18 on Soil and Rock, which has developed soil specifications and test methods that may be applicable to RCC.

For more information, contact chairman Debbie J. Lawrence, USA Corps of Engineers, P.O. Box 4005, Champaign, IL 61820 (217/373-6755 or 217/844-3301).



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ASTM Committee C-1 on Cement

Scope

The development of specifications, methods of test, recommended practices, and definitions of terms for hydraulic-cements, including portland, natural, pozzolanic, masonry and slag cements, and modifications of the foregoing, and combinations during manufacture thereof; the investigation of the properties of hydraulic cements and the promotion of improvement and uniformity of testing and using these materials; joint sponsorship, with ASTM Committee C-9 on Concrete and Concrete Aggregates, of the Cement and Concrete Reference Laboratory, a cooperative project of the Government and ASTM.

Officers

Chairman: R. E. Philleo, 7420 Annanwood Court, Annandale, VA 22003

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Secretary: R. A. Hines, Missouri Portland Cement Co., 7711 Carondelet Ave., St. Louis, MO 63105

Membership Secretary: Karl Hauser, Edward C. Levy Co., 9300 Dix Ave., Dearborn, MI 48120

ASTM Committee C-9 on Cement and Concrete Aggregates

Scope

The assembling and study of data pertaining to the properties of portland cement concrete and its constituent materials, including the study of effect of characteristics of materials and mixtures upon the properties of concrete; the development of methods of test for concrete and for the constituent materials of concrete (except cement), as well as for certain related materials, such as materials used in curing; the formulation of standard specifications for the constituent materials of concrete (except cement) and for concrete itself (subject to suitable interpretation of the term "concrete"). The scope of Committee C-9 does not include the field of design and construction of concrete structures except insofar as references need to be made to construction methods in special cases of concrete as "over-the-counter" materials.

Officers

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